

CURRICULUM VITAE

KENNETH A. MOOK, MD, PhD

Home: 7701 Nottoway Circle
Louisville, Kentucky 40214

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Office: Gateway Rehabilitation Hospital
5940 Merchants Street
Florence, Kentucky 41042

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EDUCATION

Residency: Physical Medicine and Rehabilitation, July 1995-June 1998, University of Louisville Hospital,

Frazier Rehab Institute, 220 Abraham Flexner Way, Louisville, KY 40202

Internship: Internal Medicine, July 1994-July 1995, University of Louisville Hospital, Louisville, KY

M.D.: University of Louisville, May 1994, Louisville, KY

Ph.D.: Physiology, 1993, University of Louisville, Louisville, KY

M.S.: Exercise Physiology, 1987, University of Louisville, Louisville, KY

B.S.: Animal Physiology, 1984, University of California at Davis, Davis, CA

BOARD CERTIFICATION

American Board of Physical Medicine and Rehabilitation - May 2000

United States Medical Licensure Examination - 1995

MEDICAL LICENSURE

Kentucky - #31321- 07/01/1995

Indiana - #01044259 - 8/31/1995

PROFESSIONAL ACTIVITIES

Member, American Academy of Physical Medicine and Rehabilitation

Member, Association of Academic Physiatrists

Member, Physiatric Association of Spine, Sports, and Occupational Rehabilitation (PASSOR)

Member, American Medical Association

Member, Kentucky Medical Association

Member, Jefferson County Medical Society

Member, Phi Kappa Phi Honor Society

COMMITTEES

University of Louisville Graduate Medical Education Committee (2004 - present)

Frazier Rehab Institute Physical Medicine & Rehabilitation Committee (1999-present)

Jewish Hospital Campus Building Committee (2001-present)

Jewish Hospital Credentials Committee (1999-April 2004)

Jewish Hospital Infection Control Committee (1999-present)

Henry County Memorial Hospital Medical Review Committee, New Castle, Indiana (1998-1999)

Frazier Rehab Institute Quality Management Committee (1997-1998)

Frazier Rehab Institute Advisory Committee (1997-1998)

Frazier Rehab Institute Physical Medicine and Rehabilitation Committee (1997-1998)

COMMITTEES (continued)

University of Louisville School of Medicine Graduate Medical Council (1997-1998)

University of Louisville School of Medicine Faculty Forum (1997-1998)

AWARDS AND HONORS

Physical Medicine and Rehabilitation Outstanding Teacher Award, Univ. of Louisville Division of Physical Medicine and Rehabilitation, 2000-2001

Chief Resident, Division of Physical Medicine and Rehabilitation, University of Louisville, 1997-1998

First Place, Frazier Rehab Institute Annual Resident Research Day, Frazier Rehab Institute, 1998

Thomas P. Green Award for Scientific Research, University of Louisville School of Medicine, 1994

NASA Graduate Student Researchers Program Grant Recipient

NASA \$18000, 1989-90, University of Louisville

NASA \$17988, 1988-89, University of Louisville

NASA \$17980, 1987-88, University of Louisville

NASA \$17930, 1986-87, University of Louisville

Featured in 1988-89 President's Annual Report of the University of Louisville, p.11

Cosmos Achievement Award, National Aeronautics and Space Administration for participation on the Soviet Cosmos 1887 Biosatellite Team, 1989

First Prize, University of Louisville Medical School Student Research Day Poster Competition, Fall 1988

Graduate Student Research Grant Recipient

Academic Excellence Commission, \$500, University of Louisville, 1988

Academic Excellence Commission, \$500, University of Louisville, 1986

Dean's Citation for Academic Excellence, University of Louisville, 1987

Who's Who Among Students in American Universities and Colleges, 1987

TEACHING APPOINTMENT

Chief, Division of Physical Medicine & Rehabilitation, Department of Medicine, University of Louisville School of Medicine, August 2005 – January 2012

Residency Training Program Director, Department of Medicine, Division of Physical Medicine & Rehabilitation, University of Louisville School of Medicine, February 2004 – January 2012

Assistant Clinical Professor, Department of Medicine, Division of Physical Medicine & Rehabilitation, University of Louisville School of Medicine, May 2002 – present

Clinical Instructor, Department of Medicine, Division of Physical Medicine & Rehabilitation, University of Louisville School of Medicine, October 1999 – April 2002

PROFESSIONAL EXPERIENCE

Gateway Rehabilitation Hospital- August 2012 – Present

Florence , Kentucky

- Medical Director

Rehabilitation Associates, PSC, Louisville, KY, July 1999-2008

- Affiliated with Frazier Rehab Institute and Jewish Hospital
- Outpatient and Inpatient Musculoskeletal Medicine
- EMG/NCS evaluations
- Injection techniques for trigger points, intra-articular, carpal tunnel, and peripheral nerve blocks

Medical Director, Henry County Center for Occupational and Rehabilitation Medicine, a Division of the Henry County for Orthopaedic Surgery and Sports Medicine, New Castle, IN, July 1998-June 1999

- Affiliated with The New Castle Clinic, Inc.
- Outpatient musculoskeletal and occupational medicine

- **EMG/NCS evaluations**
- **Trigger point and intra-articular joint injections**
- **Consultant for physical and occupational therapy services**

PROFESSIONAL EXPERIENCE (continued)

Medical Director, Oakwood Health Care Center, New Castle, IN July 1998–June 1999

- Director of inpatient rehabilitation center; coordination of physical, occupational, and speech therapy services

Medical Director, MultiCare Solutions, Columbus, IN August 1996-December 1998

- Outpatient musculoskeletal evaluations, diagnosis, and management
- EMG/NCS; trigger point and joint injections
- Coordination of therapeutic modalities with physical and occupational therapies, biofeedback, psychological evaluation and counseling, and manual medicine
- Evaluating patient referrals from orthopaedic, neurosurgery, and family medicine practices as well as contractual relations with local industrial companies for occupational medicine services

Medical Staff, Southern Indiana Rehabilitation Hospital, New Albany, IN July 1995-present

- In-house emergency and routine medical coverage during off hours (6 p.m.-6 a.m.) in a free-standing rehabilitation hospital
- Active Medical Staff position

Chief Resident, Physical Medicine & Rehabilitation, Louisville, KY, July 1997-June 1998

- Coordinating Physical Medicine and Rehabilitation residents' rotation and call schedule, board review education, committee attendance, liaison between residents and attending physicians, scheduling speakers for biweekly Grand Rounds

Resident, University of Louisville Hospital, Physical Medicine & Rehabilitation Program, Louisville, KY July 1995-June 1998

- Residency training includes: General Rehab (2 mos), Orthopaedic Rehab (2 mos), Stroke (2 mos), Spinal Cord Injury (3 mos), Traumatic Brain Injury (3 mos), Pediatric Rehab (4 mos), Cardiopulmonary Rehab (2 mos), EMG/NCS (8 mos - 350 EMG/NCS performed), Pain Management (2 mos), Sports Medicine (2 mos), Rheumatology (1 mo), Occupational Medicine (2 mos), and Orthotics/Prosthetics (1 mo)
- EMG/NCS training included referrals from Christine M. Kleinert Hand Care Center, Veterans Administration, Frazier Rehab Institute, and local orthopaedic, neurosurgery, and family/internal medicine private practices
- Pain management training includes lumbar and cervical epidural injections, nerve blocks, facet and other joint injections, and trigger point injections.

Medical Advisor, Preahket Mealea Hospital, Phnom Penh, Kingdom of Cambodia 1997-present

- Medical consultation in both Internal Medicine and Rehabilitation Medicine
- Met with CEO of Preahket Mealea Hospital in January 1997 during an evangelical missionary trip. Contracted voluntary shipment of medical supplies (textbooks, antibiotics/medications, surgical and laboratory equipment, durable medical goods, etc.) to improve quality of medical care
- Returned in January 1999 and established a teaching rotation with the hospital medical and surgical staff, specifically on rehabilitation and surgical techniques for amputations. Coordinated and established mobile medical clinics in outlying villages surrounding Phnom Penh.
 - Returned in March 2000 after coordination of a medical team (anesthesiology, orthopaedics, nursing, physical and occupational therapy) for teaching and development of rehabilitation services, as a large portion of their medical population are lower and upper extremity amputees secondary to land mines.

PROFESSIONAL EXPERIENCE (continued)

NASA Graduate Student Researcher's Grant Fellow, University of Louisville, 1985-1990

- Master's degree in Exercise Physiology and PhD in Physiology were funded by NASA research grants to study the effects of electrically-induced muscle contractions on prevention of disuse muscle atrophy and alterations in blood flow, as would occur during weightlessness.
- Experience in human exercise physiology and fitness, as well as animal research in the laboratory and on the Cosmos 1887 and 2044 Biosatellite Teams, allowed me to participate at Johnson Space Center in development of exercise countermeasures presently used during Shuttle missions to prevent disuse muscle atrophy and cardiovascular deconditioning.

ADDITIONAL PROFESSIONAL EXPERIENCE

High School Football Team Physician, Doss High School, 2001 - present

High School Athletics Physical Exams, Jefferson County Public Schools, 1999 - present

High School Athletics Physical Exams, North Harrison County Public Schools, Spring, 1997

Middle School Athletics Physical Exams, Jefferson County Public Schools, 1996-1998

High School Football Team Physician, Clarksville High School, Fall, 1995

Donor Evaluation, Plasma Alliance, Louisville, KY, 1995-1996

Student Representative to the Organization of Student Representatives, American Association of Medical Colleges, University of Louisville, School of Medicine, 1991-1994

President, Class of 1994, University of Louisville, School of Medicine, 1990-1992

NASA Graduate Student Researcher's Grant Fellow, University of Louisville, 1986-1990

NASA Exercise Countermeasures Project, Johnson Space Center, Houston, TX, 1989

Cosmos 1887 Biosatellite Team (1989) and Cosmos 2044 Biosatellite Team (1990)

School of Nursing, Division of Allied Health: Lecturer, Physiology: Peripheral Circulation, University of Louisville, 1989-1990

Exercise Physiology Laboratory Graduate Assistant, University of Louisville, 1985-1987

Instructor, Community Adult Fitness Class, Exercise Physiology Lab, University of Louisville, 1985-1987

Exercise Physiology Lab, Teaching Assistant, California Polytechnic State University, San Luis Obispo, CA, 1985

Director of Adult Fitness Testing, YMCA, San Luis Obispo, CA, 1985

Development of Student Fitness Testing Program, Association for Fitness in Business, California Polytechnic State University, San Luis Obispo, 1985

Human Physiology Lab Teaching Assistant and Tutor, California Polytechnic State University, San Luis Obispo, 1985

NASA Research: Fluid Shift Experiment, Laboratory Assistant, University of California, Davis, 1984

Orthopaedic Surgery Research Laboratory, Bioengineering Assistant, University of California, Davis, 1983-1984 and Student Internship, Sacramento Valley Orthopaedic Center, Sacramento, CA, 1983

RESEARCH PUBLICATIONS

- Mook, K.A., and C.C. Huynh. "EMG Case No. 73." Published American Academy of Physical Medicine and Rehabilitation, Medical Education. July 2005
- Mook, K.A., J.M. Steffen, and R.D. Fell. "Effects of Isotonic Muscle Contractions on Blood Flow Distribution in the Unloaded and Reloaded Hindlimbs of Whole Body Suspended Rats." Submitted for publication in J. Appl. Physiol.
- Mook, K.A., and R.D. Fell. "Effects of Electrical Stimulation on Disuse Atrophy of Rat Skeletal Muscle: A Comparison of Isotonic and Isometric Muscle Contractions." Submitted for publication in J. Appl. Physiol.
- Mook, K.A., and R.D. Fell. "Effects of Electrically-Induced Isometric Contractions in Prevention of Disuse Atrophy in Rat Skeletal Muscle." Submitted for publication in J. Appl. Physiol.
- Mook, K.A., and R.D. Fell. "Effects of Electrical Stimulation on Atrophying Rat Skeletal Muscle." Federation Proceedings 46(4): 1242, 1987
- Fell, R.D., J.M. Steffen, K.A. Mook, and X.J. Musacchia. "Effect of Exercise Training on Suspension Disuse Atrophy." In review for Am. J. Physiol.
- Fell, R.D., J.M. Steffen, K.A. Mook, and X.J. Musacchia. "Effect of Exercise on Rat Skeletal Muscle Exposed to Disuse." Med Sci Sports & Exer 19(2):S50, 1987

PRESENTATIONS

- "Spasticity: Pathophysiology and Treatment"; Speed School, University of Louisville, Fall 2002
- "Cambodia: Medicine in a Third World Country"; Grand Rounds for PMR and Family Practice, Spring 2000
- "Low Back Pain: Diagnosis and Management"; Floyd Memorial Hospital Community Lectures, Fall 1999
- "Fibromyalgia and Myofascial Pain Syndrome"; Henry County Fibromyalgia Support Group Meeting, August 1998
- "Physical Medicine and Rehabilitation: Concepts and Consults"; Henry County Memorial Hospital CME, Optimist Club, Rotary Club, Henry County Heart Association, July 1998
- "Golf Swing Analysis and Lumbar EMG Activity in Professional and Amateur Golfers"; Research Poster presented at Frazier Rehab Institute Resident Research Day, Spring 1998
- "Effects of Acute Low Back Pain on EMG Patterns in Lumbar Stabilizing Muscles during Ambulation"; Research Poster presented at Frazier Rehab Institute Resident Research Day, Spring 1997
- "Low Back Pain - Evaluation, Diagnosis, and Treatment"; Grand Rounds for Physical Medicine and Rehabilitation, Spring 1997
- "Comparison Of Indoor Exercise Equipment on Caloric Requirement in the Elderly"; Research proposal at Frazier Rehab Institute Resident Research Day, Spring 1996
- "Effects of Isotonic Muscle Contractions on Blood Flow Distribution in the Unloaded and Reloaded Hindlimbs of Whole Body Suspended Rats"; American College of Sports Medicine, Spring 1991
- "Alterations in Isotonic Work Performance and Fatigability Following 14 Days of Whole Body Suspension and 7 Days Recovery"; Kentucky Academy of Science State Convention, Fall 1989
- "Effects of Acute Electrical Stimulation on Disuse Atrophy of Rat Skeletal Muscle: A Comparison of Isotonic and Isometric Muscle Contractions"; Poster at the University of Louisville Medical School Student Research Competition, Fall 1988 (First Prize) Presented at the Midwest Student Medical Research Forum in Omaha, NE, Spring 1989, and at the Federation of American Societies for Experimental Biology National Convention, Spring 1989
- "Effects of Electrically-Induced Isometric Contractions on Disuse Atrophy in Rat Skeletal Muscle"; Kentucky Academy of Science State Convention, Fall 1988
- "Effects of Electrical Stimulation on Atrophying Rat Skeletal Muscle"; Federation of American Societies for Experimental Biology National Convention, Spring 1988
- "Effects of Acute Electrical Stimulation on Atrophying Rat Skeletal Muscle"; Kentucky Academy of Science State Convention, Fall 1987
- Annual presentations at the National Aeronautics and Space Administration Graduate Student Researcher's Program in Washington, DC, Spring 1987-1990

COMMUNITY ACTIVITY

**Shively Baptist Church Medical Missions Team, Coordinator for Cambodia Medical Ministry Team,
December 2002-January 2002**

**Collierville First Baptist Church Ministry Team, Coordinator for Cambodia Medical Ministry Team,
January 1999**

**Shively Baptist Church Recreation Ministry Team, Mission: Cambodia. Evangelistic sports mission
project to Cambodia to instruct clinics in basketball and volleyball for high school and technical
school students in Phnom Penh, Cambodia, January 1997**

**Member and Sunday School Teacher (Adult 8), Shively Baptist Church
Royal Ambassador's Advisor, Shively Baptist Church**